

Application No.: 09/828,225

Docket No.: 20386-00295-US

**AMENDMENTS TO THE ABSTRACT**

Please substitute the following paragraph(s) for the abstract now appearing in the currently filed specification:

A process chamber is placed in connection with a fluidized bed reactor for utilizing internal or external circulation of solid material or both in heat transfer purposes. ~~Said~~ The process chamber is located inside the furnace of a circulating fluidized bed reactor adjacent to at least one of the furnace walls. The interior of ~~said~~ the process chamber is provided with heat exchangers ~~means~~ for heat transfer from the solid material to a heat transfer medium inside the heat exchangers ~~means~~. The process chamber ~~comprises~~ includes a top closed barrier wall forming the roof of the process chamber, wherein the inlet ~~of~~ for introducing the solid material into the process chamber is ~~arranged to~~ provided in the lower part of the wall of the process chamber and the outlet ~~of~~ for carrying the solid material out of the process chamber is ~~arranged to~~ provided in the upper part of the wall of the process chamber. An inlet chamber is provided inside the furnace of the circulating fluidized bed reactor prior ~~Prior~~ to the said process chamber in the direction of the flow of ~~said~~ the solid material ~~an inlet chamber is provided inside the furnace of the circulating fluidized bed reactor~~ for directing the solid material to the inlet of the process chamber.